

## Section 1043

1 All stone shall meet the approval of the Engineer. While no specific gradation is required,  
2 there shall be equal distribution of the various sizes of the stone within the required size  
3 range. The size of an individual stone particle will be determined by measuring its long  
4 dimension.

5 Stone or broken concrete for rip rap shall meet Table 1042-1 for the class and size  
6 distribution.

| Class | Required Stone Sizes, inches |          |         |
|-------|------------------------------|----------|---------|
|       | Minimum                      | Midrange | Maximum |
| A     | 2                            | 4        | 6       |
| B     | 5                            | 8        | 12      |
| 1     | 5                            | 10       | 17      |
| 2     | 9                            | 14       | 23      |

7 No more than 5.0% of the material furnished can be less than the minimum size specified nor  
8 no more than 10.0% of the material can exceed the maximum size specified.

## SECTION 1043 AGGREGATE FROM CRUSHED CONCRETE

### 1043-1 GENERAL

12 Aggregate from crushed concrete is a recycled product made by crushing concrete obtained  
13 from concrete truck clean out, demolition of existing concrete structures or pavement, or  
14 similar sources and transported from a crushing facility. It does not include concrete  
15 pavements that are rubblelized, broken or otherwise crushed in place on the roadway.

16 The crushed material must meet all sources approval requirements described in Sections 1005  
17 and 1006 with the exception of the sodium sulfate test requirement. Deleterious materials  
18 shall not be more than 3%.

19 Sampling and acceptance for the determination of gradation, LL and PI will be performed as  
20 described in the *Aggregate QC/QA Program Manual* and the *Aggregate Sampling Manual*.

### 1043-2 AGGREGATE BASE COURSE

22 The material shall meet the ABC gradation. The LL of the material shall be raised 5 points to  
23 no more than 35.

### 1043-3 AGGREGATE SHOULDER BORROW

25 The material shall meet Section 1019.

### 1043-4 CLEAN COARSE AGGREGATE FOR ASPHALT

27 The material shall meet the gradation of a standard size in Table 1005-1. Use of the material  
28 shall be approved by the Engineer, and the mix shall meet all requirements.

### 1043-5 CLEAN COARSE AGGREGATE FOR CONCRETE

30 The material shall meet the gradation of a standard size in Table 1005-1. Use of the material  
31 is restricted to Class B concrete mixes only. Use of the material shall be approved by the  
32 Engineer, and the concrete shall meet all requirements.

## SECTION 1044 SUBSURFACE DRAINAGE MATERIALS

### 1044-1 SUBDRAIN FINE AGGREGATE

36 Subdrain fine aggregate shall meet No. 2S or 2MS in Table 1005-2.